

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

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Docket Number: 544582000200

Application Number (serialno)

Applicant

Anton WELLSTEIN

Filing Date: June 14, 2001

Group Art Unit: 1647

Mailing Date: July 14, 2004

## U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Ref.<br>No. | Date       | Document No. | Name          | Class | Subclass | Filing Date If<br>Appropriate |
|----------------------|-------------|------------|--------------|---------------|-------|----------|-------------------------------|
| CSN                  | 1.          | 06/23/1998 | 5,770,421    | Morris et al. |       |          |                               |

## FOREIGN PATENT DOCUMENTS

| Examiner<br>Initials | Ref.<br>No. | Date       | Document No. | Country | Class | Subclass | Translation<br>YES NO |
|----------------------|-------------|------------|--------------|---------|-------|----------|-----------------------|
| CSN                  | 2.          | 04/13/2000 | 00/20869     | WIPO    |       |          | X                     |
|                      | 3.          |            |              |         |       |          |                       |

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

| Examiner<br>Initials | Ref.<br>No. | Title  |
|----------------------|-------------|--|
| CSN                  | 4.          | Kung Meng et al., (Pleiotrophin signals increased tyrosine phosphorylation of b-catenin through inactivation of the intrinsic catalytic activity of the receptor-type protein tyrosine phosphatase B/γ) March 14, 2000, Vol. 97 no 6 pp. 2603-2608   |
|                      | 5.          | Nobuaki Maeda et al., (A Receptor-like Protein-tyrosine Phosphatase PTP/RPTPB Binds a Heparin-binding Growth Factor Midkine) Vol. 274, No. 18, <del>Issue of April 33</del> , pp. 12474-12479. (30 April 1999)   |
|                      | 6.          | Nobuaki Maeda et al., (6B4 Proteoglycan/Phosphacan, an Extracellular Variant of Receptor-like Protein-tyrosine Phosphatase RPTPB, Binds Pleiotrophin/Heparin-binding Growth-associated Molecule (HB-GAM)* Vol. 271, No. 35, <del>Issue of August 30</del> , pp. 21446-21452 (30 August 1996) |
|                      | 7.          | Erkki Raulo et al., (Isolation of a Neuronal Cell Surface Receptor of Heparin Binding Growth-associated Molecule (HB-GAM) Vol. 269, No. 17, <del>Issue of April 29</del> , pp. 12999-13004 (29 April 1994)   |
|                      | 8.          | K. Matsumoto et al., (A novel family of heparin-binding growth factors, pleiotrophin and midkine, is expressed in the developing rat cerebral cortex) Developmental Brain Research 79 (1994) 229-241   |
|                      | 9.          | Nan Zhang et al., (Domain Structure of Pleiotrophin Required for Transformation) Vol. 274, No. 19, <del>Issue of May 7</del> , pp. 12959-12962 (7 May 1999)  |
|                      | 10.         | Dorothy J. Caughey et al., (Fractionation of polyclonal antibodies to fragments of a neuroreceptor using three increasingly chaotropic solvents) Journal of Chromatography B, 728 (1999) 49-57   |
| CSN                  | 11.         | Stephan W. Morris et al., (ALK, the chromosome 2 gene locus altered by the t(2;5) in non-Hodgkin's lymphoma, encodes a novel neutral receptor tyrosine kinase that is highly related to leukocyte tyrosine kinase (LTK) Oncogene (1997) 14, 2175-2188  |

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12. Toshinori Iwahara et al., (Molecular characterization of ALK, a receptor tyrosine kinase expressed specifically in the nervous system) Oncogene (1997) 14, 439-449
13. Karen Pulford et al., (Detection of Anaplastic Lymphoma Kinase (ALK) and Nucleolar Protein Nucleophosmin (NPM) – ALK Proteins in Normal and Neoplastic Cells With the Monoclonal Antibody ALK1) Blood, Vol. No. 4, ~~February 15, 1997~~, pp. 1394-1404 (15 Feb. 1997)
14. A. Aigner, et al., (Identification of a Receptor for the Growth Factor Pleiotrophin, its Signal Transduction and Potential Role in Cancer) Proceedings of AACR; Vol. 40, p. 732; March 1999.
15. Gerald E. Stoica et al., (Identification of Anaplastic Lymphoma Kinase as a Receptor for the Growth Factor Pleiotrophin) Vol. 276, No. 20, ~~Issue of May 18~~, pp. 16772-16779 (18 May 2001)
16. James A. Wells, (Additivity of Mutational Effects of Proteins), Biochemistry Vol. 29, No. 37, September 18, 1990
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18. Temple F. Smith et al., (The challenges of genome sequence annotation or "The devil is in the details") Nature Biotechnology Volume 15, November 1997
19. Jeffrey Skolnick et al., (From genes to protein structure and function: novel applications of computational approaches in the genomic era) Tibtech January 2000, Vol. 18, pp 34-39.
20. Genetwork (Go hunting in sequence database but watch out for the traps) TIG October 1996, Vol. 12, No. 10, pp. 425-427
21. Peer Bork (Powers and Pitfalls in Sequence Analysis: The 70% Hurdle) Cold Spring Harbor Laboratory Press (2000) pp. 398-400
22. Kung Meng., (Pleiotrophin signals increased tyrosine phosphorylation of B-catenin through inactivation of the intrinsic catalytic activity of the receptor-type protein tyrosine phosphatase B/ξ) PNAS, March 14, 2000, Vol. 97, No. 6, pp. 2603-2608
23. Gerald E. Stoica., (Identification of Anaplastic Lymphoma Kinase as a Receptor for the Growth Factor Pleiotrophin\*), Journal of Biological Chemistry, Vol. 276, No. 20, ~~Issue of May 18~~, pp. 16772-16779
24. Kenneth M. Merz, Jr. et al., (The Protein Folding Problem and Tertiary Structure Prediction) Birkhäuser Boston 1994, Ch 14, pp. 433-506.

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